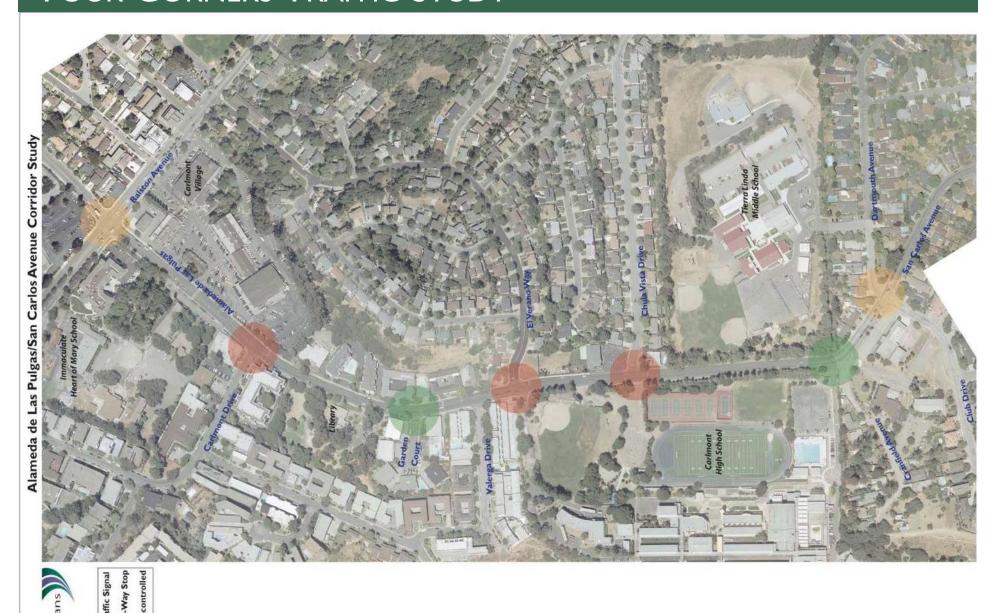
CITIES OF SAN CARLOS & BELMONT FOUR CORNERS TRAFFIC STUDY



- > 5:30-6:00 Open House
- > 6:00-6:45 Presentation
- > 6:45-7:30 Public Input



Scope of the Study

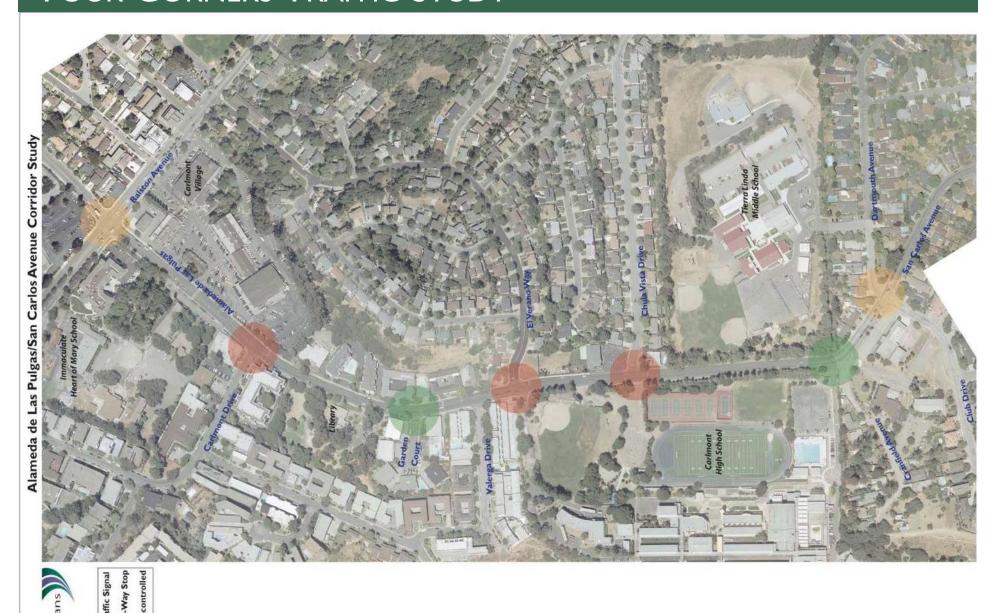
- > Traffic circulation
- > Bicycle facilities and circulation
- > Pedestrian circulation and safety
- Parking
- Alternative school entrances
- > Traffic control measures
- > Transit
- Traffic safety

Scope of the Study

- > Evaluate existing traffic conditions
- > Develop alternatives for the ADLP-San Carlos corridor
- > Evaluate the alternatives traffic performance
- Work with the 2 Cities and 2 School Districts
- Gather input from the public
- > Refine a preferred plan

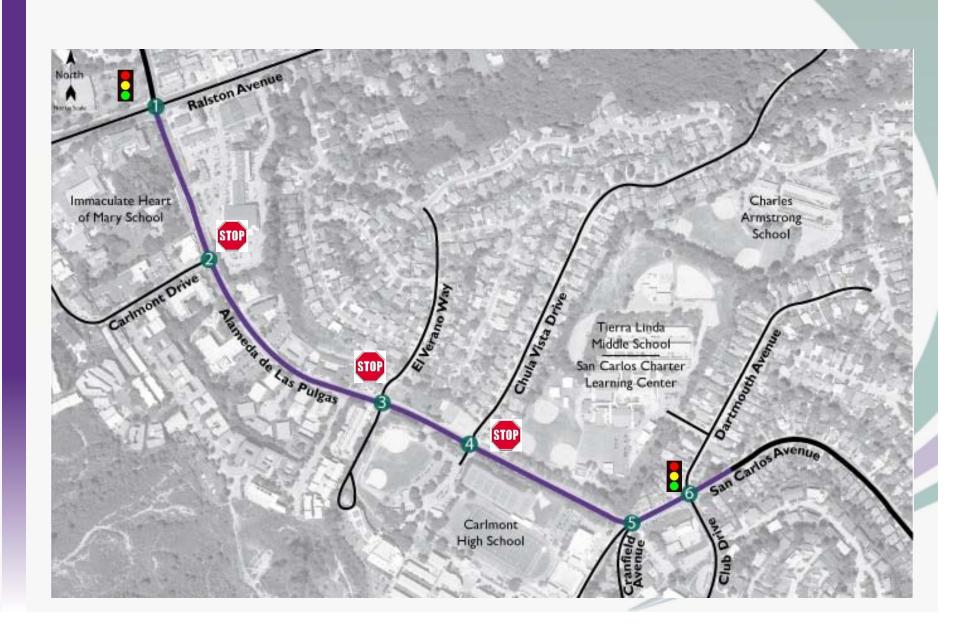
Data Collection & Existing Conditions

- > Traffic volumes in the corridor
- > Travel time
- Intersection Level of Service
- Queuing
- Traffic Control Warrants (Traffic Signal or Roundabout)

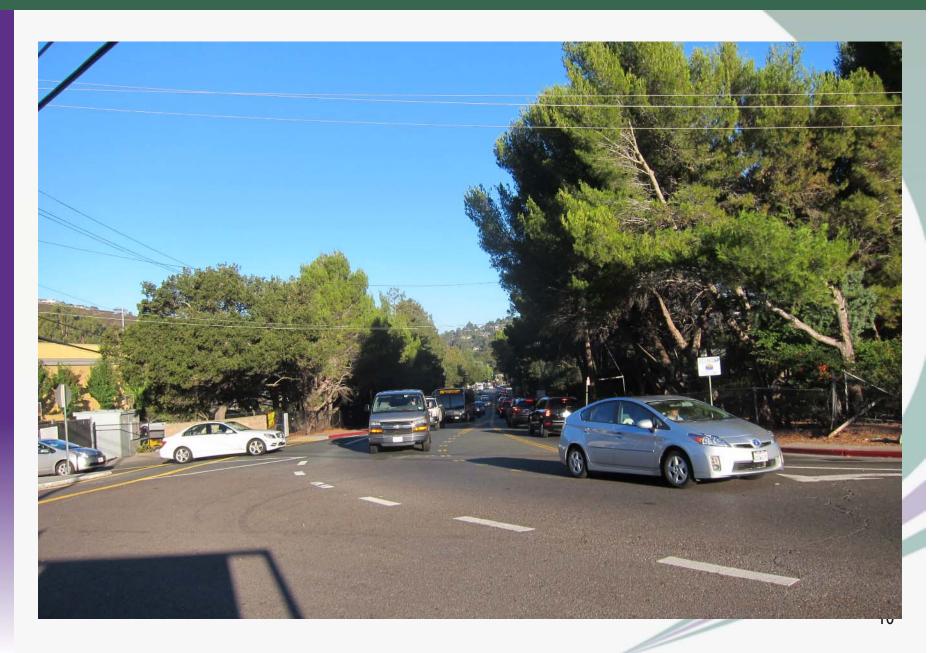




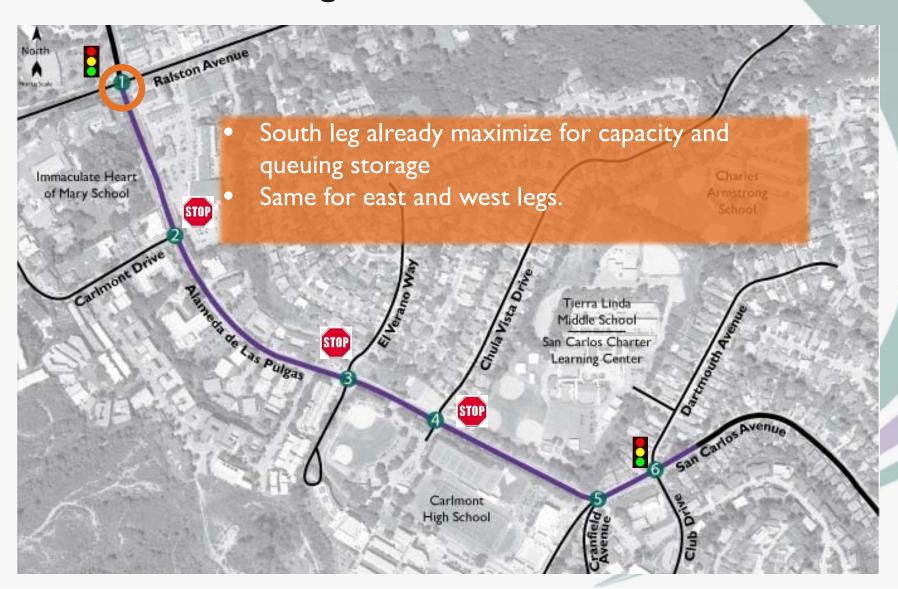
EXISTING TRAFFIC CONDITIONS



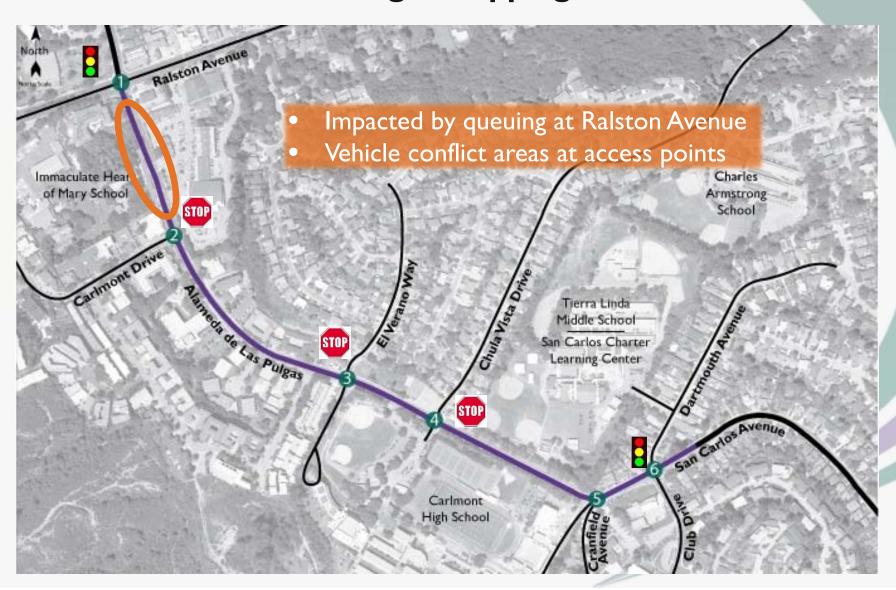
FOUR CORNERS TRAFFIC STUDY — TRAFFIC SIGNALS



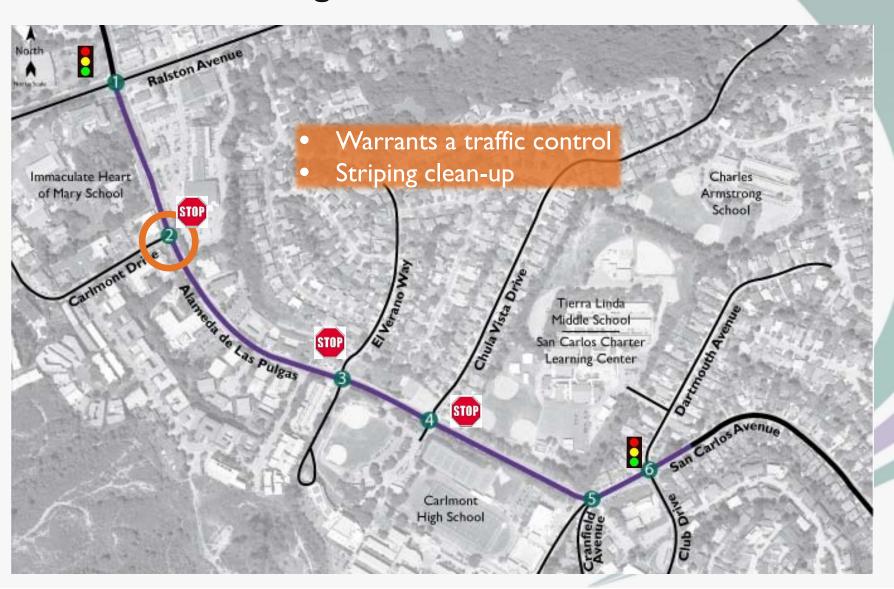
Alameda De Las Pulgas & Ralston Avenue



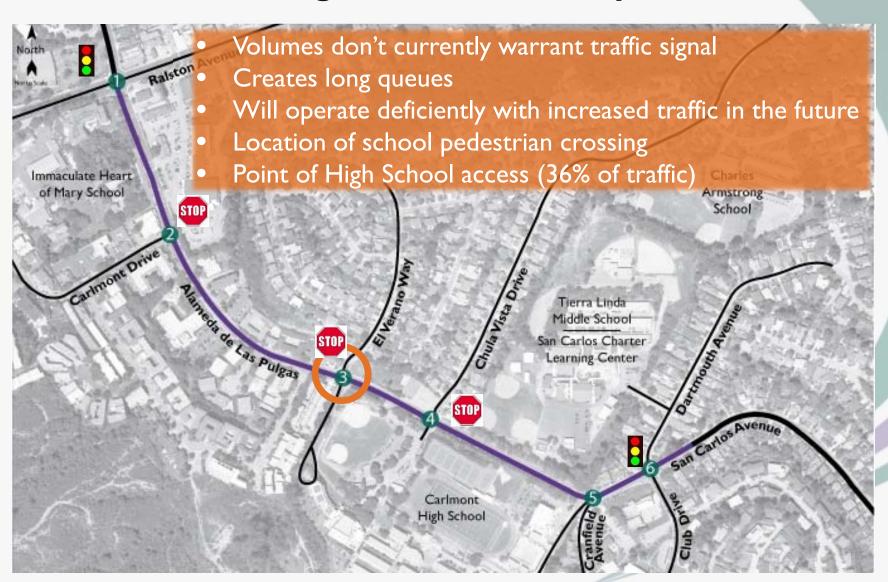
Access to Carlmont Village Shopping Center



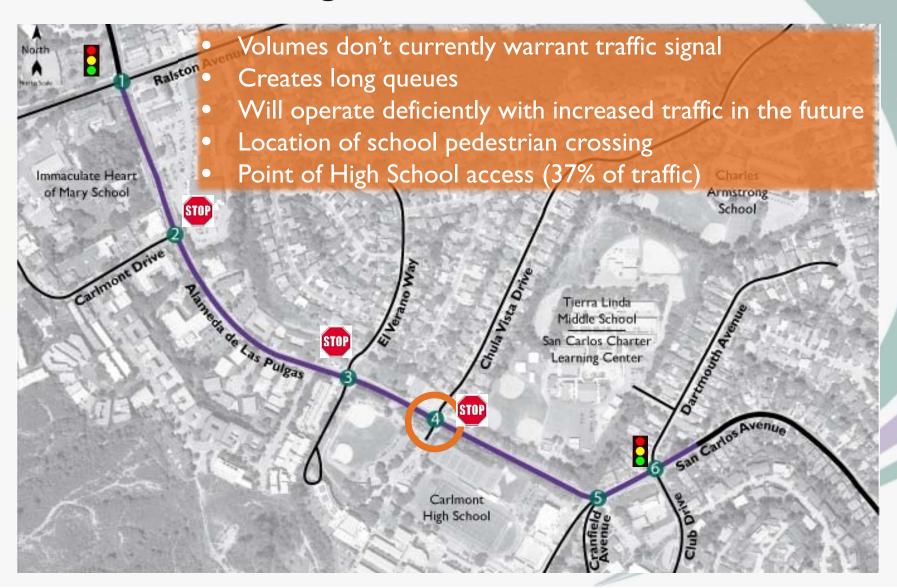
Alameda De Las Pulgas & Carlmont Drive



Alameda De Las Pulgas & El Verano Way



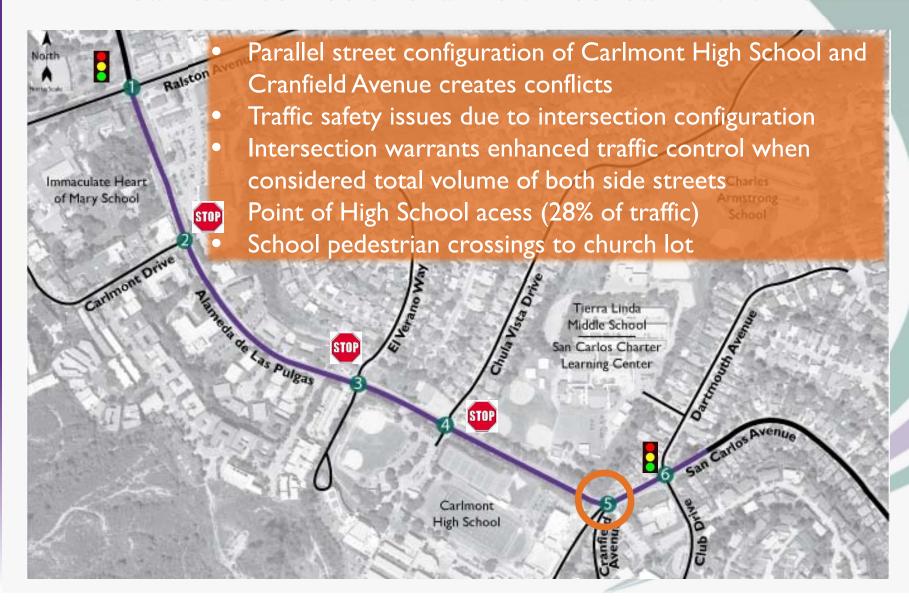
Alameda De Las Pulgas & Chula Vista Drive



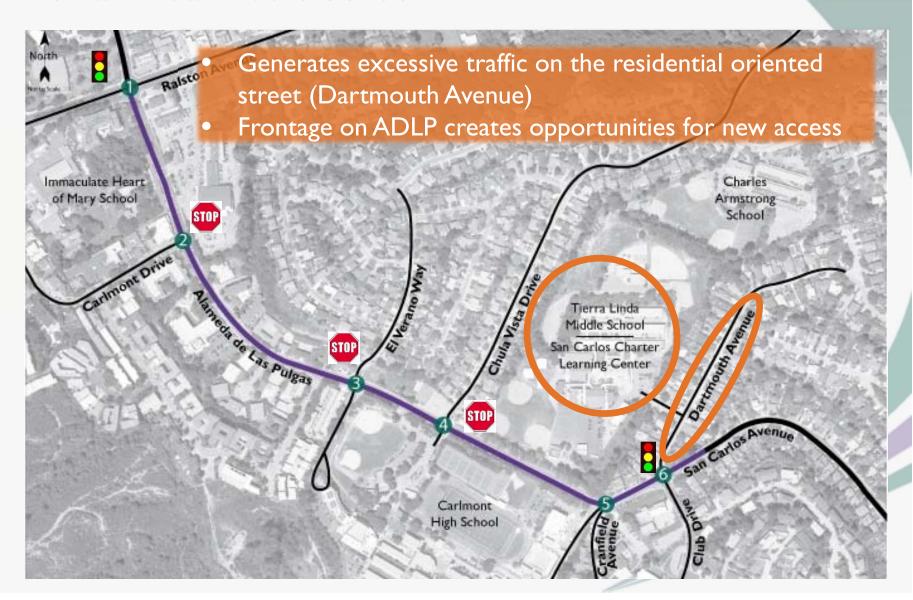
Alameda De Las Pulgas between Chula Vista & Cranfield



ADLP-San Carlos Ave & Cranfield Ave-Carlmont HS



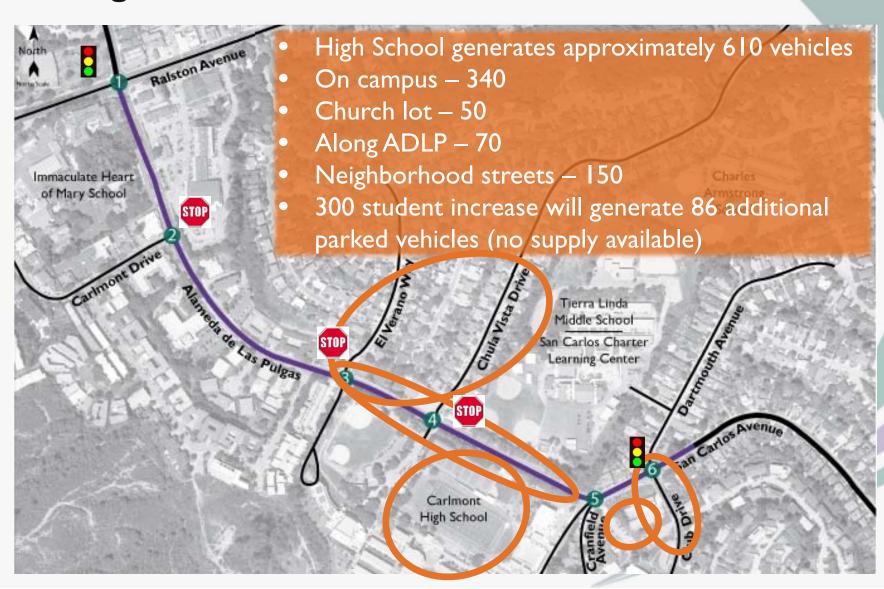
Terra Linda Middle School



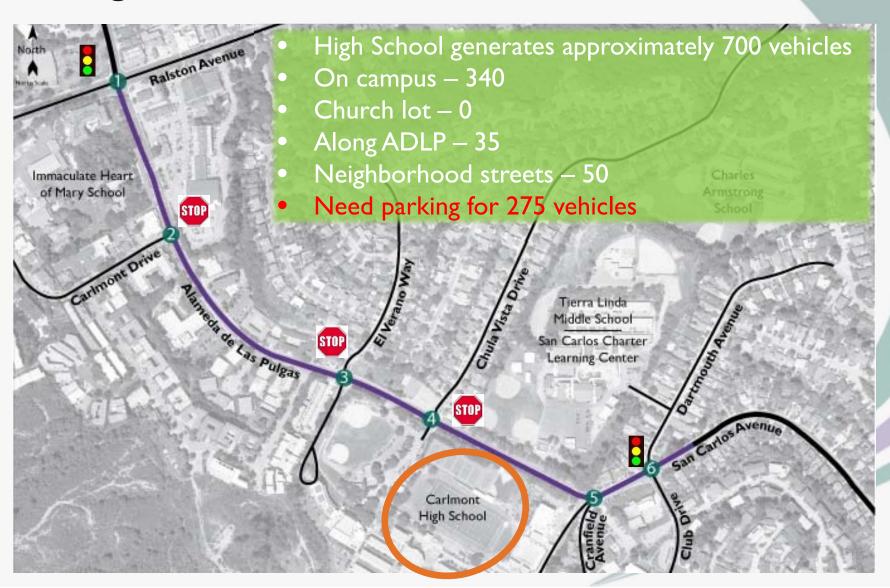
San Carlos Avenue & Dartmouth-Club Drive



Parking



Parking



DID WE MISS ANYTHING?

POTENTIAL ALTERNATIVE TRAFFIC CONTROLS

FOUR CORNERS TRAFFIC STUDY – TRAFFIC SIGNALS

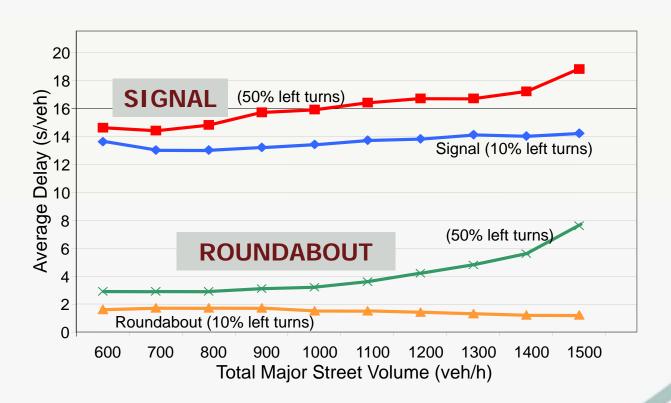


FOUR CORNERS TRAFFIC STUDY – ROUNDABOUTS



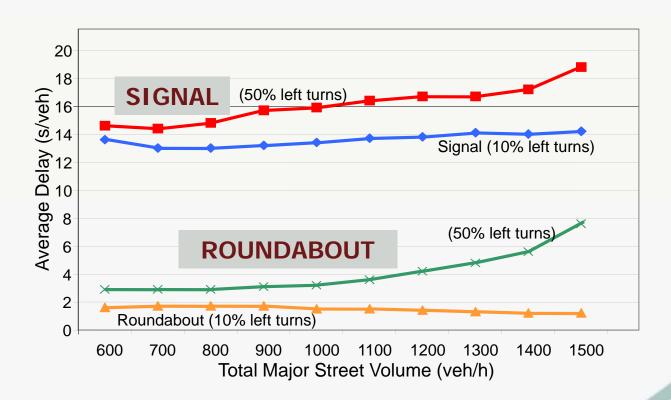
Roundabouts - Vehicle Capacity

Roundabouts have higher capacities, lower delays and fewer stops per lane

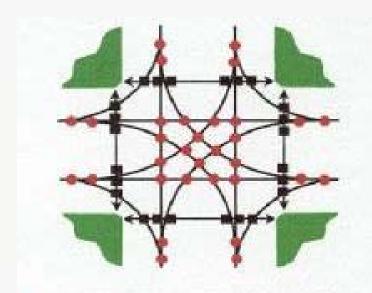


Roundabouts - Vehicle Capacity

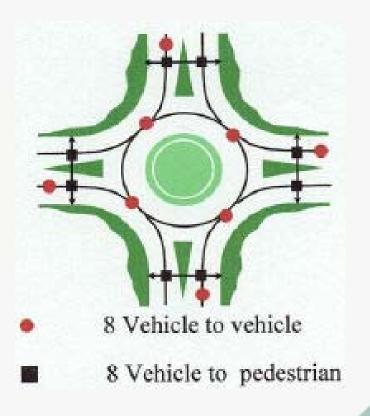
All Way Stop



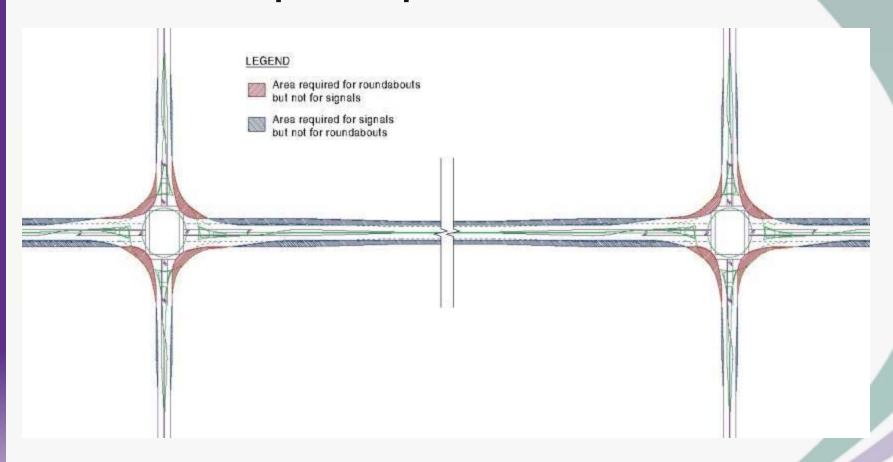
Roundabouts - Safety



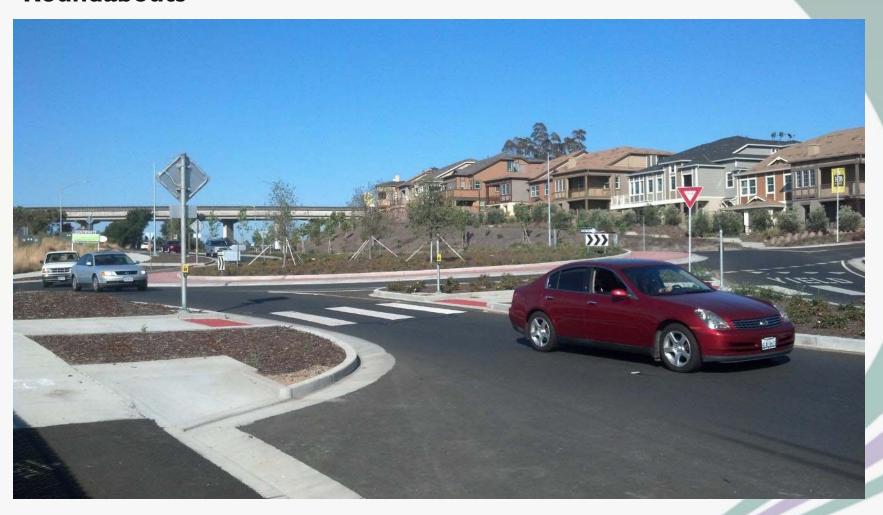
- 32 Vehicle to vehicle conflicts
- 24 Vehicle to pedestrian conflicts



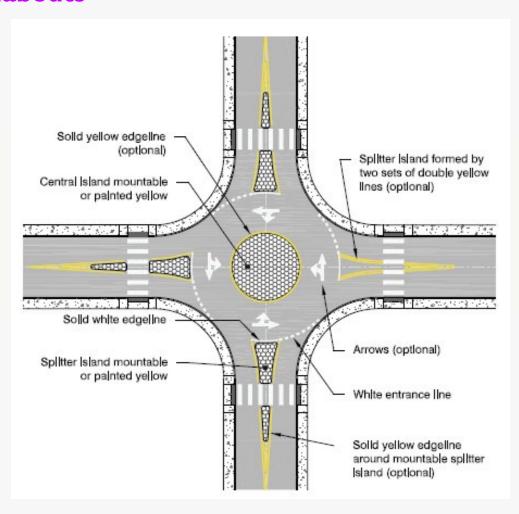
Roundabouts - Space Requirements

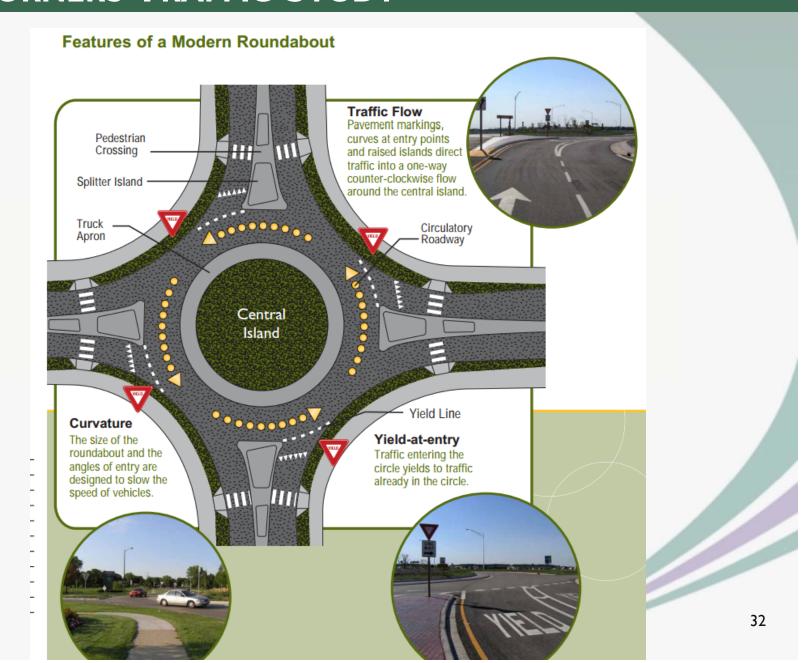


Roundabouts

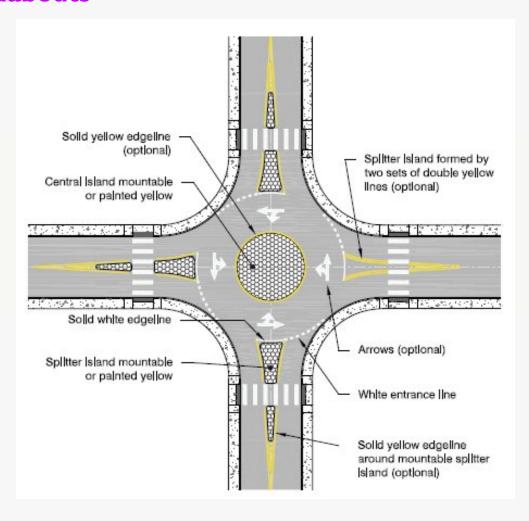


Mini - Roundabouts



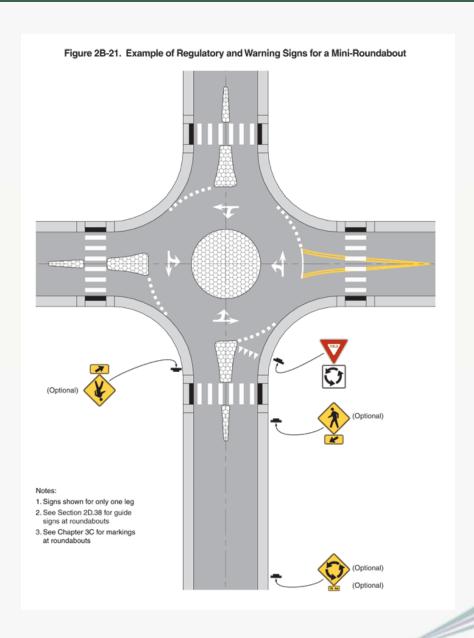


Mini - Roundabouts



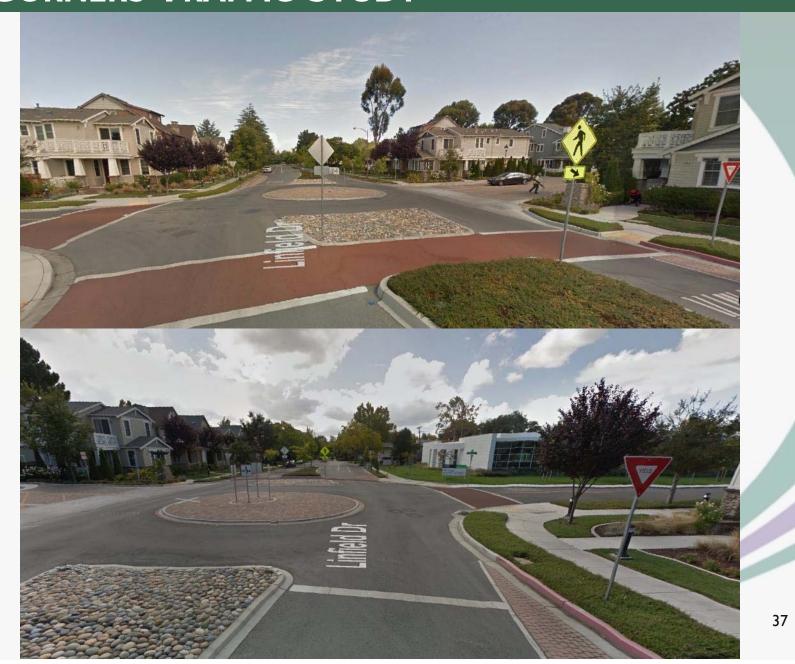
RESIDENTIAL TRAFFIC CIRCLE



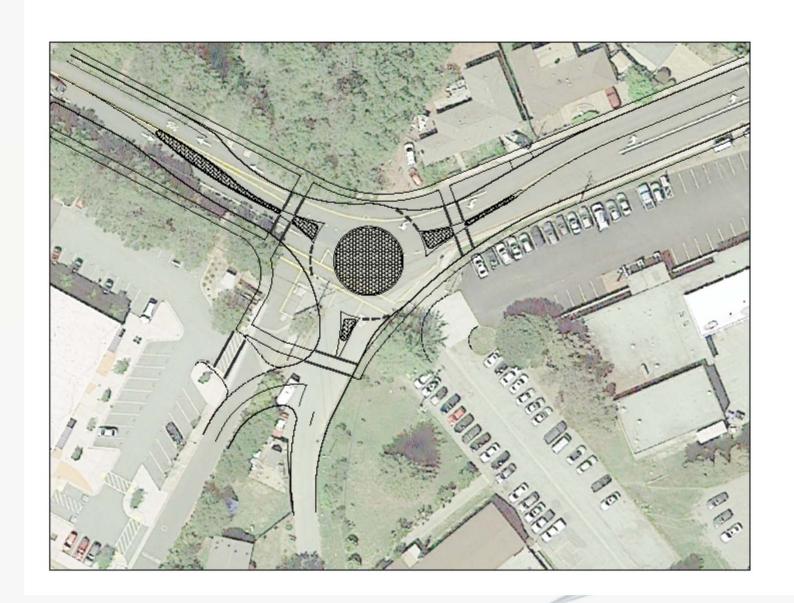


Mini - Roundabouts

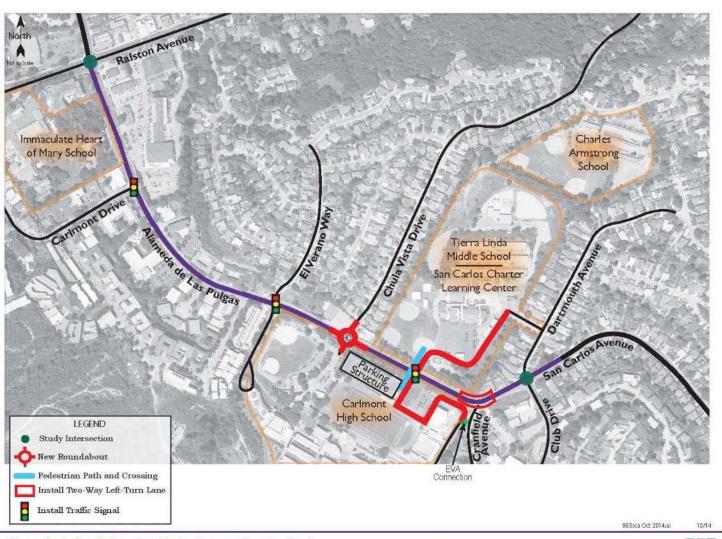


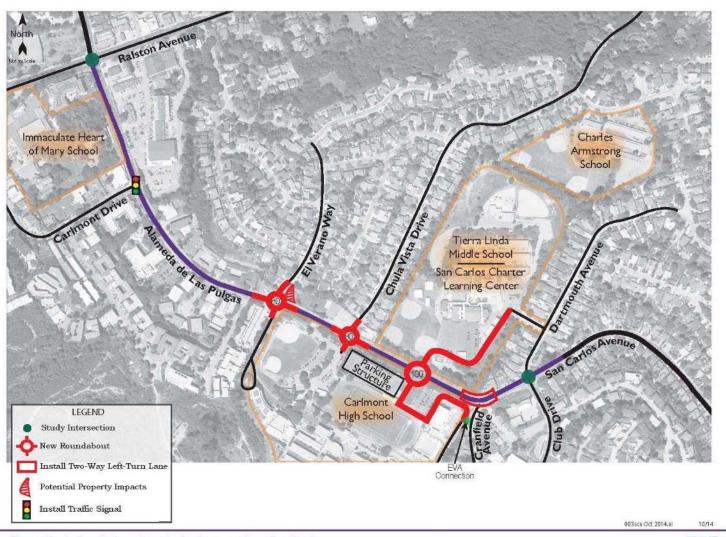


FOUR CORNERS TRAFFIC STUDY – ROUNDABOUTS

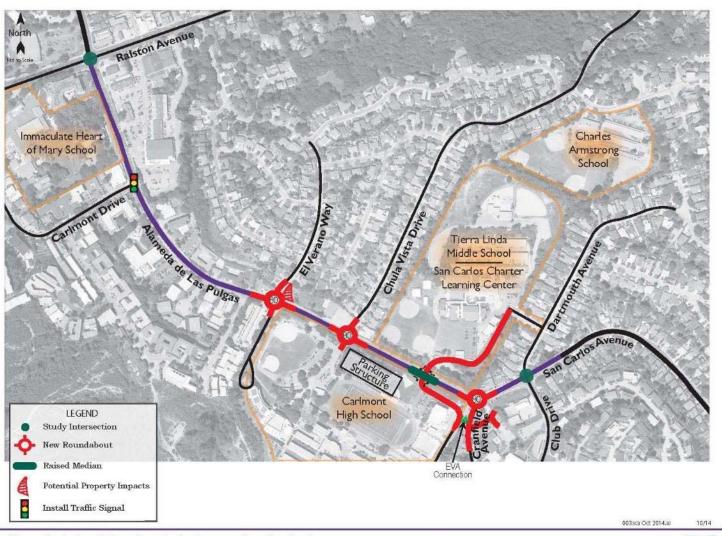


ALTERNATIVES

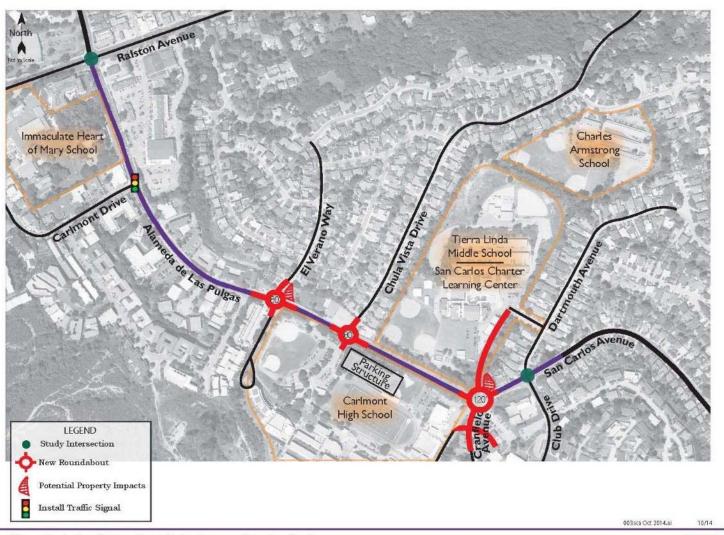




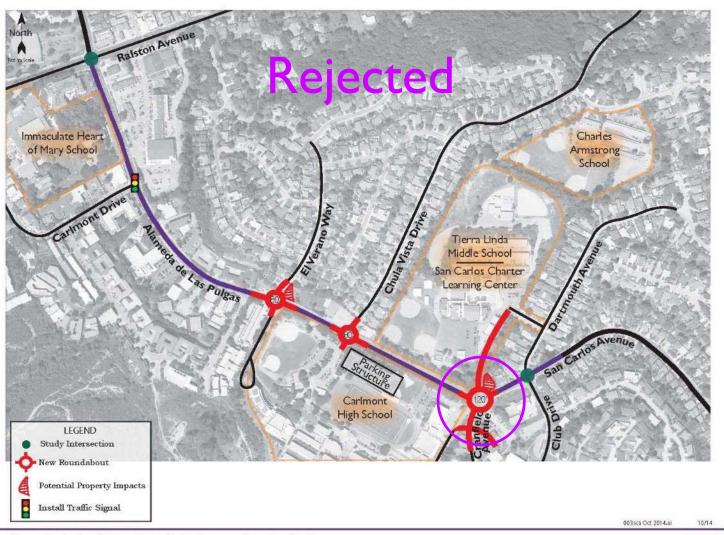
Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #2B



Alameda de Las Pulgas-San Carlos Avenue Corridor Study
Access Alternative #3A

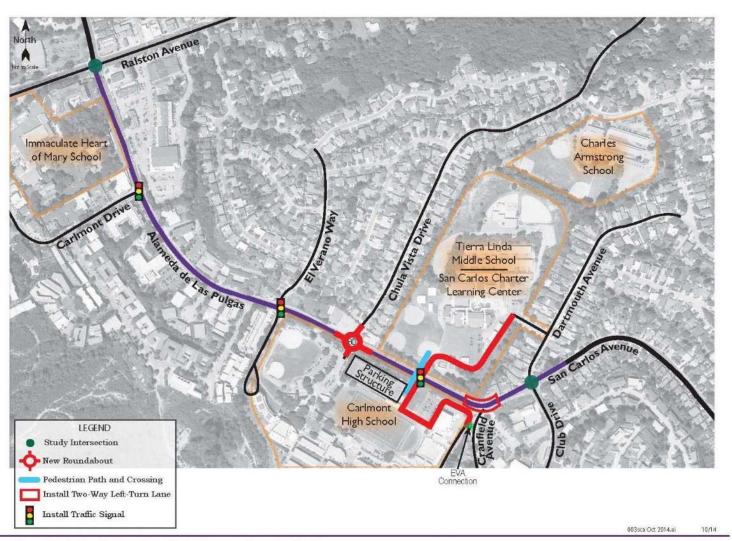


Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #1



Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #1

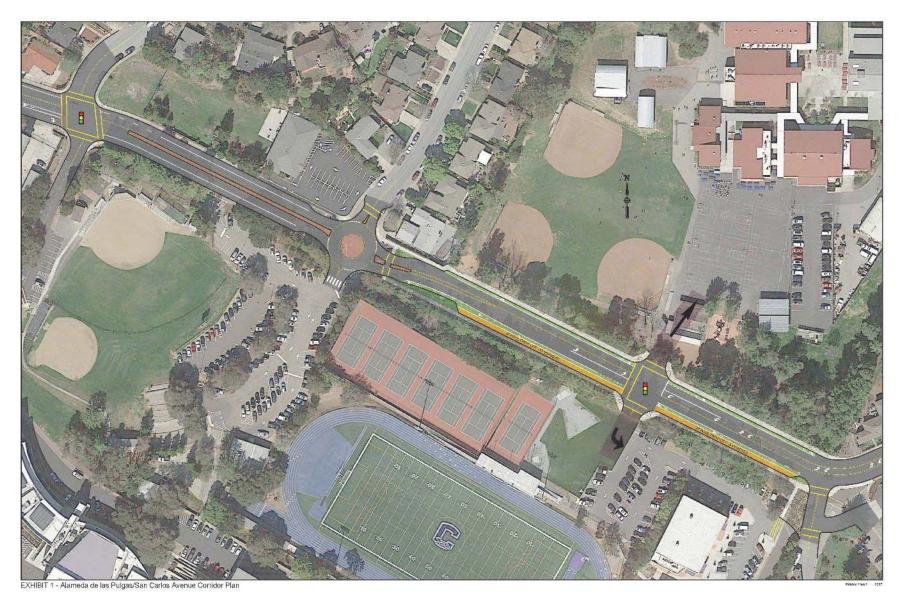
ALTERNATIVE I – TRAFFIC SIGNAL ENTRANCE ALTERNATIVE 2 – ROUNDABOUT ENTRANCE ALTERNATIVE 3 – MEDIAN ENTRANCE



Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #2A



AERIAL - Alameda de las Pulgas/San Carlos Avenue Corridor Plan



No bike lanes

- ➤ Existing Parking 34 spaces
- ➤ Proposed Parking 0 spaces
- ➤ Drop off Space 20 vehicles
- New 8 ft sidewalk on TLMS side
- ➤ Widening on TLMS side = 12 feet
- > Bike Lanes Maintained



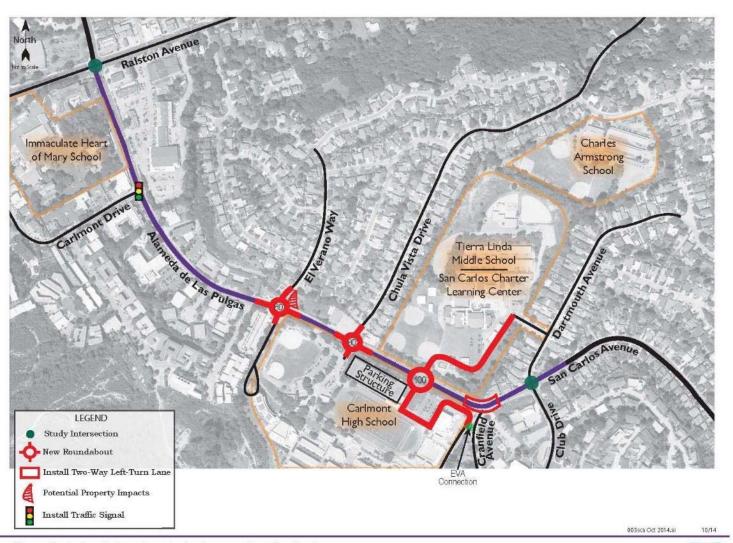
Benefits

- > Standard traffic signal operation
- > New drop off space
- Signalized crossing for pedestrians
- Less bike conflicts
- > Simplification of Cranfield

Drawbacks

- > Signal on green with school out
- No on-street parking
- No directional flexibility for drop off
- School districts must directly align their access points





Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #2B



AERIAL - Alameda de las Pulgas/San Carlos Avenue Corridor Plan



XHIBIT 2 - Alameda de las Pulgas/San Carlos Avenue Corrídor P

- ➤ Existing Parking 34 spaces
- > Proposed Parking 16 spaces
- ➤ Drop off Space 0 vehicles
- > New 8 ft sidewalk on TLMS side
- Widening on TLMS side = 8 feet
- > Bike Lanes Maintained



Benefits

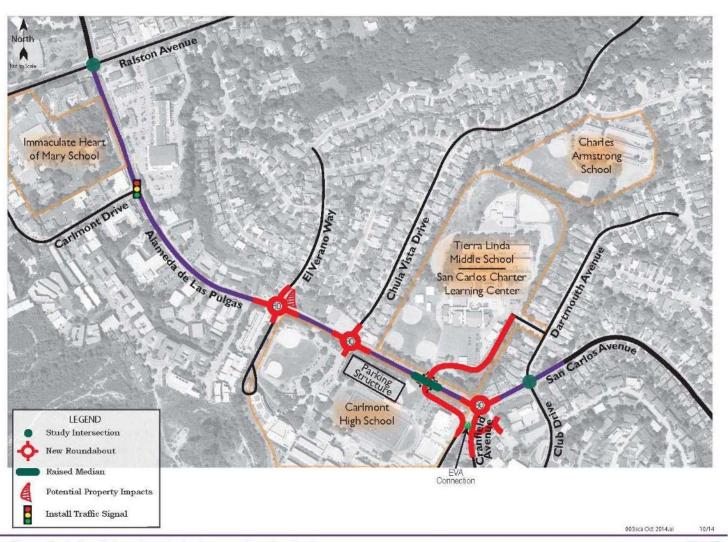
- > Less queuing from roundabout
- > Slower speeds
- > Slow veh speed at ped crossing
- > Simplification of Cranfield

Drawbacks

- Bike conflicts with diagonal parking
- > No drop off area
- Significant cost for only school time operation
- School districts must slightly align their access points



ALTERNATIVE 3 - MEDIAN ENTRANCE



Alameda de Las Pulgas-San Carlos Avenue Corridor Study Access Alternative #3A

ALTERNATIVE 3 – MEDIAN ENTRANCE



AERIAL - Alameda de las Pulgas/San Carlos Avenue Corridor Plan

ALTERNATIVE 3 – MEDIAN ENTRANCE



EXHIBIT 3 - Alameda de las Pulgas/San Carlos Avenue Corridor Plan

ALTERNATIVE 3 - MEDIAN ENTRANCE

- ➤ Existing Parking 34 spaces
- ➤ Proposed Parking 12 spaces
- ➤ Drop off Space 19 vehicles
- New 8 ft sidewalk on TLMS side
- Widening on TLMS side = 16 feet
- > Bike Lanes Maintained



ALTERNATIVE 3 - MEDIAN ENTRANCE

Benefits

- Directional flexibility with school drop off
- School districts don't have to align access points
- > New drop off space
- Refuge island for ped xing
- No turning vehicles for ped xing
- Less bike conflicts
- > Less delay for Cranfield

Drawbacks

- Loss of on-street parking
- > Extra driving for left-turn access to schools
- > Drivers may be unfamiliar with roundabouts



Workshop Public Input

- Questions and Answers
- > Dot exercise Components of each Alternative
- Vote on your favorite Alternatives
- ➤ Comment cards Rank the 3 alternatives

Next Steps

- Working with Cities and School Districts to Determine Preferred Alternative
- > Refine Preferred Alternative and Finalize Analysis
- > Prepare Final Report



AERIAL - Alameda de las Pulgas/San Carlos Avenue

Edward March 1: 1